

## A Contribution to our Knowledge of the Wild and Cultivated Flora of Maryland—I

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The present paper comprises an annotated list of 303 collections of Maryland plants, representing 256 species and subspecific entities in 185 genera and 79 botanical families. It is one of a series by the same author on the flora of each of the states of the United States and several foreign countries.<sup>1</sup> The sequence of families followed is that of the author's preliminary classification of the Plant Kingdom,<sup>2</sup> which, in turn, is based, with modifications, on the latest available studies of the various groups—the systems of Engler & Diels and of Hutchinson being followed in major part.

It is a pleasure to acknowledge the generous and valuable assistance rendered the author by the following renowned specialists, who have examined material of the groups noted after their names: Dr. Liberty H. Bailey (*Erica*, *Leucothoë*), Dr. Nathaniel L. Britton (*Cyperus*, *Rynchospora*), Dr. Wendell H. Camp (*Gaylussacia*, *Vaccinium*), Mrs. Agnes Chase (Poaceae), Dr. Earl L. Core (*Cyperus*), Dr. Henry A. Gleason (*Agrostis*), Dr. Albert S. Hitchcock (Poaceae), Dr. Francis W. Pennell (*Gerardia*); and Dr. Truman G. Yuncker (*Cuscuta*). Each collection cited on the following pages which was examined by one of these specialists has the name of the specialist following the number in the list.

The first set of specimens herein cited is deposited in the Britton Herbarium at The New York Botanical Garden; other sets are in the herbaria of the University of Pennsylvania, University of Illinois, Missouri Botanical Garden, Duke University, Carthage College, Cornell University, Naturhistoriska Riksmuseum in Stockholm, Royal Botanic Gardens in Kew, Botanisches Museum in Berlin, Botaniska Trädgård in Göteborg, Conservatoire Botanique in Geneva, Jardin Botanique de l'Etat in Brussels, British Museum (Natural History) in London, the herbaria at Krakow and Vyskov, and elsewhere. The collection numbers, for citation purposes, are all H. N. Moldenke collection and citation numbers, although much of the material was actually collected by other collectors and turned over to the author of this paper for identification and distribution. These collectors, with the numbers of their collections and

<sup>1</sup> Moldenke, H. N., A contribution to our knowledge of the wild and cultivated flora of Ohio—I, *Castanea* **9**: 1-80. 1944; A contribution to our knowledge of the wild and cultivated flora of Florida—I, *American Midland Naturalist* **32**: 529-590. 1945; A contribution to our knowledge of the wild and cultivated flora of Massachusetts—I, *TORREYA* **45**: 41-52. 1945.

<sup>2</sup> Moldenke, H. N., A preliminary classification of the plant kingdom to families, pp. 1-37, New York Botanical Garden, February 11, 1944.

the dates when they collected in Maryland, are as follows: Mrs. George Bishop, 1926 (2860); Dr. Earl L. Core, 1931 (6769-6774, 6865); Miss Alma Lance Ericson, 1942 (13777); Dr. L. P. McCann, 1938 (10399); Dr. Charles Edward Moldenke,<sup>3</sup> 1925, 1926, 1928, 1929, 1931, 1933 (2743, 2818, 3094, 4190-4192, 4282, 4349-4353, 4391, 6591-6679, 7352-7353, 7879); Mrs. Sophia Meta Moldenke, 1929, 1935 (4393, 8425-8452, 9386-9387); Charles E. & Sophia M. Moldenke together, 1926, 1928 (3114-3116, 4172-4173, 4194); Mr. Sylvester Scott, 1925 (2784); Mrs. Genevieve Scott, 1925, 1928, 1931, 1932 (2474-2475, 2572, 4174, 6857, 6859); and Dr. George M. Vandegrift, 1925, 1926, 1927, 1932 (2428, 2560, 2641, 2845, 4527, 7253, 7379).

Wherever the identification given here or the nomenclature here employed differs from that on the labels of the material when distributed, this fact is noted so that herbarium curators may make the necessary corrections, if they so desire. Where it differs from that of the author's previously published classified list of collections,<sup>4</sup> this fact is also noted on the following pages.

#### LECANORACEAE

LECANORA PALLIDA (Schreb.) Schaer.—*Worcester Co.*: on tree trunks, Snow Hill, 8452.

#### PARMELIACEAE

PARMELIA CONSPERSA (Ehrh.) Ach.—*Worcester Co.*: on trunks of *Malus pumila*, Snow Hill, 9387.

PARMELIA PERFORATA (Wulf.) Ach.—*Worcester Co.*: on trunks of *Quercus alba*, Snow Hill, 8448, inaccurately recorded on page 7 of the Annotated List as "P. perforata (Wulf.) Ack."

#### USNEACEAE

RAMALINA CALICARIS (L.) E. Fries—*Worcester Co.*: on tree trunks, Snow Hill, 8449.

USNEA BARBATA (L.) Wigg.—*Worcester Co.*: on tree trunks and limbs, Snow Hill, 8451.

USNEA FLORIDA (L.) Web.—*Worcester Co.*: in tree trunks and limbs, Snow Hill, 8459, inaccurately recorded on page 7 of the Classified List as "U. florida (L.) Wel."

#### BUELLIAEAE

BUELLIA PARASEMA (Ach.) T. Fries—*Worcester Co.*: on trunks of *Malus pumila*, Snow Hill, 9386.

#### OSMUNDACEAE

OSMUNDA CINNAMOMEA L.—*Worcester Co.*: in marshy ground, Snow Hill, 8426.

<sup>3</sup> Dictionary of American Biography 13: 79. 1931; Science, new ser., 81: 191. 1935; National Cyclopaedia of American Biography 24: 54-55. 1935; Encyclopedia of American Biography 4: 292-294. 1935; White's Conspectus of American Biography, ed. 2, 307. 1937; Who Was Who in America 1: 853. 1942.

<sup>4</sup> Moldenke, H. N., An annotated and classified list of H. N. Moldenke collection numbers from no. 1 to no. 11,277, inclusive, pp. 1-135. New York Botanical Garden, December 6, 1939.

## PINACEAE

*PINUS TAEDA* L.—*Worcester Co.*: in dry sandy pine woods, Snow Hill, 2578, 6655, 6903, 13820.

## TAXODIACEAE

*SCIADOPITYS VERTICILLATA* (Thunb.) Sieb. & Zucc.—*Baltimore Co.*: in outdoor cultivation, Baltimore, 2860, inaccurately recorded on page 12 of the Classified List as “*S. verticillata* Sieb & Zucc.” and so distributed.

*TAXODIUM DISTICHUM* (L.) L. C. Rich.—*Worcester Co.*: in swamps and along streams, Snow Hill, 2128.

## RANUNCULACEAE

*COPTIS GROENLANDICA* (Oeder) Fernald—*Baltimore Co.*: in Druid Hill Park, Baltimore, 5094, distributed as *C. trifolia* (L.) Salisb.

*DELPHINIUM AJACIS* L.—*Worcester Co.*: in outdoor cultivation and escaped, Snow Hill, 2141.

*RANUNCULUS HISPIDUS* Michx.—*Worcester Co.*: in moist pine woods, Snow Hill, 8445.

*VIORNA URNIGERA* Spach—*Worcester Co.*: along fencerow, Snow Hill, 4192.

## BERBERIDACEAE

*ODOSTEMON AQUIFOLIUM* (Pursh) Rydb.—*Baltimore Co.*: in outdoor cultivation in Gwynne Park, Baltimore, 5106.

## FUMARIACEAE

*FUMARIA OFFICINALIS* L.—*Worcester Co.*: in sandy fields, Snow Hill, 4282.

## BRASSICACEAE

*ARABIDOPSIS THALIANA* (L.) N. L. Britton—*Worcester Co.*: in sandy waste soil, Snow Hill, 6911.

*BRASSICA NAPUS* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 4191.

*CAMPE BARBAREA* (L.) W. F. Wight—*Worcester Co.*: in waste and cultivated ground, Snow Hill, 8441.

## VIOLACEAE

*VIOLA ODORATA* var. *ALBA* Bess.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 8446.

*VIOLA PRIMULIFOLIA* L.—*Worcester Co.*: in bogs and boggy pine woods, Snow Hill, 6914, 8447.

## POLYGALACEAE

*PILOSTAXIS LUTEA* (L.) Small—*Worcester Co.*: along sides of wet ditches, Snow Hill, 7253, distributed as *Polygala lutea* L.

*POLYGALA SANGUINEA* L.—*Worcester Co.*: in dry sandy fields, Snow Hill, 2150, 6619. Both collections were cited on page 39 of the Classified List as *P. viridescens* L. and so distributed.

## SAXIFRAGACEAE

*MICRANTHES MICRANTHIDIFOLIA* (Haw.) Small—*Garrett Co.*: Kelso Gap, Backbone Mountain, alt. 3000 feet, 6773 [Core 2762].

## CARYOPHYLLACEAE

*SILENE CAROLINIANA* Walt.—*Worcester Co.*: in pine woods, Snow Hill, 8427.

## AL SINACEAE

*CERASTIUM VISCOMUM* L.—*Worcester Co.*: in waste ground, Snow Hill, 8429.

## POLYGONACEAE

*PERSICARIA PENNSYLVANICA* (L.) Small—*Worcester Co.*: in dry sandy soil along shore, Snow Hill, 6664, inaccurately cited on page 43 of the Classified List as "*P. pennsylvanica*" and so distributed.

*PERSICARIA PENNSYLVANICA* var. *LAEVIGATA* (Fernald) Ferguson—*Worcester Co.*: at edge of salt marsh near beach, Ocean City, 13836.

*PERSICARIA PUNCTATA* (Ell.) Small—*Worcester Co.*: on sand-dunes of beach about ten miles south of Snow Hill, 6666.

## PHYTOLACCACEAE

*PHYTOLACCA AMERICANA* L.—*Worcester Co.*: in sandy woods, Snow Hill, 6639.

## CHENOPodiACEAE

*AMBRINA AMBROSIOIDES* (L.) Spach—*Worcester Co.*: in waste sand near beach, about ten miles south of Snow Hill, 6676, distributed as *Chenopodium ambrosioides* L.; in sandy soil near beach, Ocean City, 13890.

*CHENOPODIUM ALBUM* L.—*Worcester Co.*: near beach, about ten miles south of Snow Hill, 6667.

*CHENOPODIUM RUBRUM* L.—*Worcester Co.*: in waste ground, Snow Hill, 4190.

*SALSOLA KALI* L.—*Worcester Co.*: in sand on dunes about ten miles south of Snow Hill, 6678.

*SPINACIA OLERACEA* Mill.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2144.

## AMARANTHACEAE

*CELOSIA ARGENTEA* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2145.

*CELOSIA ARGENTEA* var. *PYRAMIDALIS* Voss—*Worcester Co.*: in outdoor cultivation, Snow Hill, 6661.

*FROELICHIA FLORIDANA* (Nutt.) Moq.—*Dorchester Co.*: abundant in dry sandy fields, Sharptown, 13848.

## GERANIACEAE

*ERODIUM CICUTARIUM* (L.) L'Hér.—*Wilcomico Co.*: in dry sandy fields south of Delmar, 1257. *Worcester Co.*: in dry sandy fields, Snow Hill, 4172, 8438.

## OXALIDACEAE

*XANTHOXALIS REPENS* (Thunb.) Moldenke—*Worcester Co.*: in dry sandy waste soil, Snow Hill, 8440, cited as *X. corniculata* (L.) Small on page 112 of the Classified List and so distributed.

*XANTHOXALIS STRICTA* (L.) Small—*Worcester Co.*: in grassy lawns and waste ground, Snow Hill, 6928.

## BALSAMINACEAE

*IMPATIENS BALSAMINA* L.—*Worcester Co.*: in outdoor cultivation and escaped, Snow Hill, 2131.

## LYTHRACEAE

*CUPHEA PETIOLATA* (L.) Koehne—*Kent Co.*: in dry sandy ditches, Galena, 13870.

*LAGERSTROEMIA INDICA* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2143.

## OENOTHERACEAE

*KNEIFFIA PERENNIS* (L.) Pennell—*Garrett Co.*: White Rock Run, 6774 [*Core 2809*], distributed as *K. pumila* (L.) Spach.

*RAIMANNIA HUMIFUSA* (Nutt.) Rose—*Worcester Co.*: in dry sandy soil near beach, Ocean City, 13833.

*RAIMANNIA LACINIATA* (Hill) Rose—*Worcester Co.*: in sandy fields, Snow Hill, 4350.

## CISTACEAE

*CROCANTHEMUM MAJUS* (L.) N. L. Britton—*Worcester Co.*: in sandy fields, Snow Hill, 4353.

*LECHEA RACEMULOSA* Lam.—*Worcester Co.*: in sandy fields, Newark, 2151.

## CUCURBITACEAE

*CITRULLUS VULGARIS* Schrad.—*Worcester Co.*: in outdoor cultivation and escaped along roadsides and in waste places, Snow Hill, 2512.

*CUCUMIS MELO* L.—*Worcester Co.*: in outdoor cultivation and escaped, Snow Hill, 3115.

*CUCURBITA PEPO* L.—*Worcester Co.*: in outdoor cultivation and widely escaped, Snow Hill, 6656.

## MELASTOMACEAE

*RHEXIA MARIANA* L.—*Worcester Co.*: in wet roadside ditches, east of Willards, 13844.

*RHEXIA MARIANA* f. *ALBIFLORA* Moldenke—*Dorchester Co.*: in wet ditches, Sharptown, 13849, type collection.

*RHEXIA NASHII* Small—*Worcester Co.*: in sandy pine woods, Snow Hill, 6620, distributed as *R. mariana* L.

## HYPERICACEAE

*TRIADENUM VIRGINICUM* (L.) Raf.—*Dorchester Co.*: in wet sandy ditches along roadsides, four miles south of Federalsburg, 13853.

## MALVACEAE

*ALTHAEA ROSEA* Cav.—*Worcester Co.*: in outdoor cultivation and escaped, Snow Hill, 2149, inaccurately distributed as "*A. rosea* L."

*HIBISCUS SYRIACUS* L.—*Worcester Co.*: in outdoor cultivation and persistent, Snow Hill, 2142.

*KOSTELETZKYA VIRGINICA* (L.) A. Gray—*Worcester Co.*: in salt marsh near beach, Ocean City, 13837.

## EUPHORBIACEAE

*ACALYPHA VIRGINICA* L.—*Worcester Co.*: in waste ground, Snow Hill, 6623.

*CHAMAESYCE MACULATA* (L.) Small—*Worcester Co.*: in sandy soil along roadsides and in waste and cultivated ground, Snow Hill, 6632, cited on page 53 of the Classified List as *C. preslii* (Guss.) Arthur and so distributed, 13896.

*CHAMAESYCE POLYGONIFOLIA* (L.) Small—*Worcester Co.*: procumbent on sand near beach, Ocean City, 13834.

*GALARHOEUS ESULA* (L.) Rydb.—*Garrett Co.*: Kelso Gap, Backbone Mountain, 6772 [*Core 2763*], distributed as *Euphorbia esula* L.

*GALARHOEUS HELIOSCOPIA* (L.) Haw.—*Somerset Co.*: in dry sandy soil along roadside, north of Pocomoke, 1256, distributed as *Tithymalus helioscopia* (L.) Hill.

*RICINUS COMMUNIS* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2130.

## ROSACEAE

*FRAGARIA VIRGINIANA* Duchesne.—*Worcester Co.*: in dry soil along ditches and in fields, Snow Hill, 8437.

*POTENTILLA CANADENSIS* L.—*Worcester Co.*: in dry sandy soil, Snow Hill, 8433.

*POTENTILLA PUMILA* Poir.—*Worcester Co.*: in dry sandy soil, Snow Hill, 8432.

*POTENTILLA* sp.—*Baltimore Co.*: in Gwynne Park, Baltimore, 5107.

*SPIRAEA TOMENTOSA* L.—*Worcester Co.*: at edge of woodlands, Snow Hill, 6621.

## MALACEAE

*ARONIA ARBUTIFOLIA* (L.) Ell.—*Worcester Co.*: in sandy woodland and at edge of pine woods, Snow Hill, 6907, 8435.

*CRATAEGUS* sp.—*Baltimore Co.*: in Gwynne Park, Baltimore, 5108.

*MALUS ANGUSTIFOLIA* (Ait.) Michx.—*Worcester Co.*: in woods, Snow Hill, 2818.

## AMYGDALACEAE

*PRUNUS ANGUSTIFOLIA* Marsh.—*Caroline Co.*: at edge of woods, near Preston, 5091.

## CAESALPINIACEAE

*CHAMAECRISTA FASCICULATA* (Michx.) Greene—*Worcester Co.*: in sandy ditches and along margins of woodlands, Snow Hill, 2147, 6606.

*DITREMEXA MARILANDICA* (L.) N. L. Britton & Rose—*Queen Anne's Co.*: in dry sandy soil along fencerows, Sudlersville, 13868.

## MIMOSACEAE

*ALBIZZIA JULIBRISIN* Durazz.—*Worcester Co.*: naturalized in swamps and along ditches bordering wood roads, Snow Hill, 2138, 7879.

## FABACEAE

*DESMODIUM DILLENII* Darl.—*Worcester Co.*: in sandy soil at edge of woods, Snow Hill, 6634, cited as *Meibomia dillenii* (Darl.) Kuntze on page 64 of the Classified List and so distributed.

*DESMODIUM LAEVIGATUM* (Nutt.) P. DC.—*Caroline Co.*: in dry sandy woodlands, American Corner, 13862.

*DESMODIUM MARILANDICUM* (L.) P. DC.—*Caroline Co.*: in dry sandy woodlands, American Corner, 13861. *Worcester Co.*: in sandy ditches, Snow Hill, 6614, cited as *Meibomia marylandica* (L.) Kuntze on page 65 of the Classified List and so distributed.

*DESMODIUM PANICULATUM* (L.) P. DC.—*Worcester Co.*: in sandy soil along roadside at edge of woods, Snow Hill, 6613, cited as *Meibomia paniculata* (L.) Kuntze on page 65 of the Classified List and so distributed.

*DESMODIUM RIGIDUM* (Ell.) P. DC.—*Worcester Co.*: along roadsides, Snow Hill, 6612, cited as *Meibomia rigida* (Ell.) Kuntze on page 65 of the Classified List and so distributed.

*LESPEDEZA CAPITATA* Michx.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6610.

*LESPEDEZA CUNEATA* G. Don—*Dorchester Co.*: tremendous masses cultivated in dry sandy fields, Sharptown, 13851.

*LESPEDEZA REPENS* (L.) Bart.—*Worcester Co.*: in dry sandy soil, fields, and along roadsides, Snow Hill, 6604, 6633, 6660.

*LESPEDEZA STÜVEI* Nutt.—*Worcester Co.*: at edge of woods, Snow Hill, 6637, inaccurately cited on page 65 of the Classified List as "*L. stuvei* Nutt." and so distributed.

- LUPINUS PERENNIS* L.—*Worcester Co.*: in pine woods, Snow Hill, 8428.  
*MELILOTUS ALBA* Desr.—*Worcester Co.*: in wet ditches, Snow Hill, 6650, inaccurately distributed as "*M. alba* Desv."  
*SOJA MAX* (L.) Piper—*Wicomico Co.*: extensively cultivated in fields and escaped, Willards, 13845.  
*STROPHOSTYLES UMBELLATA* (Muhl.) N. L. Britton—*Worcester Co.*: climbing over weeds along roadsides and in dry sandy woods, Snow Hill, 6636, 13895.  
*TRIFOLIUM INCARNATUM* L.—*Worcester Co.*: in cultivation in fields and escaped along roadsides, 2874.  
*VICIA SATIVA* L.—*Worcester Co.*: twining about herbs in fields, Snow Hill, 4351.

## MYRICACEAE

- CEROTHAMNUS PENNSYLVANICUS* (Loisel.) Moldenke—*Worcester Co.*: in sandy soil along roadsides, Snow Hill, 6905, distributed as *C. carolinensis* (Mill.) Tidestr.

## FAGACEAE

- QUERCUS BICOLOR* Willd.—*Baltimore Co.*: in woods, Gwynne Park, Baltimore, 5111.  
*QUERCUS BOREALIS* var. *MAXIMA* (Marsh.) Ashe—*Baltimore Co.*: in woods, Gwynne Park, Baltimore, 5101, cited on page 69 of the Classified List as *Q. maxima* (Marsh.) Ashe and so distributed.  
*QUERCUS NIGRA* L.—*Worcester Co.*: in dry sandy woods, east of Willards, 13841.  
*QUERCUS PHELLOS* L.—*Worcester Co.*: in dry sandy woods, east of Willards, 13840, in woods and thickets, Snow Hill, 2474.  
*QUERCUS RUBRA* L.—*Worcester Co.*: in dry sandy woods, east of Willards, 13839, some material of this number distributed as *Q. falcata* Michx.

## MORACEAE

- BROUSSONETIA PAPYRIFERA* (L.) Vent.—*Baltimore Co.*: in Druid Hill Park, Baltimore, 5099, distributed as *Papyrius papyrifera* (L.) Kuntze.  
*FICUS CARICA* L.—*Washington Co.*: in outdoor cultivation, Hagerstown, 2743.

## ILICACEAE

- ILEX GLABRA* (L.) A. Gray—*Worcester Co.*: in dry sandy pine woods, Snow Hill, 13824.  
*ILEX OPACA* Ait.—*Worcester Co.*: along ditches, at margins of woods, and in pinelands, Snow Hill, 2475, 6733.

## CELASTRACEAE

- EUONYMUS JAPONICA* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 6658, 6859.  
 Both collections were cited on page 72 of the Classified List as "*E. japonicus*" and so distributed.

## LORANTHACEAE

- PHORADENDRON FLAVESCENS* Nutt.—*Worcester Co.*: parasitic on large *Nyssa sylvatica* trees, Snow Hill, 2784.

## VITACEAE

- AMPELOPSIS ACONITIFOLIA* Bunge—*Baltimore Co.*: in outdoor cultivation in small park near station, Baltimore, 13777.

## JUGLANDACEAE

- CARYA PECAN* (Marsh.) Engl. & Graebn.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2428, cited on page 75 of the Classified List as *Hicoria pecan* (Marsh.) Britton and so distributed, 13825, 16857.

## NYSSACEAE

*NYSSA BIFLORA* Walt.—*Caroline Co.*: at edge of woods, near Preston, 5090.

## ARALIACEAE

*HEDERA HELIX* var. *ARBORESCENS* Loud.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2132.

## AMMIACEAE

*ERYNGIUM AQUATICUM* L.—*Dorchester Co.*: in wet sandy ditches along roadsides, four miles south of Federalsburg, 13854.

*PASTINACA SATIVA* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2133.

## CLETHRACEAE

*CLETHRHA ALNIFOLIA* L.—*Dorchester Co.*: in moist sandy woods, Sharptown, 13850.

## ERICACEAE

*ERICA PARVIFLORA* L.—*Baltimore Co.*: in outdoor cultivation, Baltimore, 6514, det. Bailey.

*EUBOTRYS RACEMOSA* (L.) Nutt.—*Worcester Co.*: in moist sandy ground, Snow Hill, 4352, cited on page 78 of the Classified List as *Leucothoë racemosa* A. Gray and so distributed.

*LEUCOTHÖE CATESBAEI* (Walt.) A. Gray—*Baltimore Co.*: in outdoor cultivation in Gwynne Park, Baltimore, 5110, det. Bailey.

*MENZIESIA PILOSA* (Michx.) A. L. Juss.—*Garrett Co.*: Backbone Mountain, 6771 [Core 2745], cited on page 79 of the Classified List as “*M. pilosa* (Michx.) Pers.” and so distributed.

## VACCINIACEAE

*CYANOCOCCUS VACILLANS* (Kalm) Rydb.—*Garrett Co.*: Deer Park, 6769 [Core 2727].

*Worcester Co.*: in sandy woods and along roadsides, Snow Hill, 6906, 9798. The second of these collections was distributed as *Vaccinium angustifolium* Ait. and re-identified as *V. vacillans* Soland. by Camp; the first and third were distributed as *V. vacillans* Soland., the latter so determined by Camp; all were cited on page 79 of the Classified List as *C. vacillans* (Soland.) Rydb.

*DECACHAENA BACCATA* (Wang.) Small—*Worcester Co.*: in sandy woods, Snow Hill, 9799, det. by Camp as *Gaylussacia baccata* (Wang.) K. Koch and so distributed.

*POLYCODIUM STAMINEUM* (L.) Greene—*Worcester Co.*: in sandy woods, Snow Hill, 6904.

## OLEACEAE

*CHIONANTHUS VIRGINICA* L.—*Worcester Co.*: in woods, Snow Hill, 2845.

*LIGUSTRUM AMURENSE* Carr.—*Baltimore Co.*: in outdoor cultivation in Gwynne Park, Baltimore, 5104.

## ASCLEPIADACEAE

*ASCLEPIAS EXALTATA* (L.) Muhl.—*Garrett Co.*: along roadside, alt. 2600 feet, Wilson, 6880 [Core 2751], distributed as *A. phytolaccoides* Pursh.

*ASCLEPIAS TUBEROSA* L.—*Worcester Co.*: in sandy salt marsh near beach, Ocean City, 13891.

## RUBIACEAE

*HOUSTONIA CAERULEA* L.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6912, 8436.

## CAPRIFOLIACEAE

- ABELIA CHINENSIS* R. Br.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 4194.
- ABELIA GRANDIFLORA* (André) Rehd.—*Baltimore Co.*: in outdoor cultivation, Baltimore, 6515. *Worcester Co.*: in outdoor cultivation, Snow Hill, 6657. Both collections were inaccurately listed on page 83 of the Classified List as "*A. grandiflora* Rehd." and so distributed.
- NINTOOG JAPONICA* (Thunb.) Sweet—*Worcester Co.*: along fencerows, Snow Hill, 6645, distributed as *Lonicera japonica* Thunb.
- PHENIANTHUS SEMPERVIRENS* (L.) Raf.—*Worcester Co.*: in outdoor cultivation and along fencerows, Snow Hill, 3114, cited on page 83 of the Classified List as *Lonicera semper-virens* L. and so distributed.
- SYMPHORICARPOS ORBICULATUS* Moench—*Baltimore Co.*: in outdoor cultivation, in Druid Hill Park, Baltimore, 5095; in outdoor cultivation, in Gwynne Park, Baltimore, 5105, distributed as *S. vulgaris* Michx.
- VIBURUM PRUNIFOLIUM* L.—*Baltimore Co.*: in Druid Hill Park, Baltimore, 5097.
- WEIGELA FLORIBUNDA* (Sieb. & Zucc.) C. A. Mey.—*Worcester Co.*: in outdoor cultivation Pocomoke City, 4393.
- XYLOSTEON CANADENSE* (Marsh.) Duham.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2137, distributed as *Lonicera canadensis* Marsh.
- XYLOSTEON FRAGRANTISSIMUM* (Lindl. & Paxt.) Small—*Baltimore Co.*: in outdoor cultivation, Druid Hill Park, Baltimore, 5096, distributed as *Lonicera fragrantissima* Lindl. & Paxt.

## CICHORIACEAE

- HIERACIUM GRONOVII* L.—*Worcester Co.*: in sandy woods, Snow Hill, 6593.
- HIERACIUM MARIANUM* Willd.—*Garrett Co.*: Backbone Mountain, 6770 [Core 2735].
- KRIGIA VIRGINICA* (L.) Willd.—*Worcester Co.*: in dry sandy soil, Snow Hill, 8443.
- PRENANTHES ALBA* L.—*Worcester Co.*: in sandy soil at edge of woods, Snow Hill, 6595, cited on page 86 of the Classified List as *Nabalus albus* (L.) Hook. and so distributed.

## AMBROSIAEAE

- AMBROSIA ELATIOR* L.—*Worcester Co.*: in waste and cultivated ground, Snow Hill, 6608, 6649.
- IVA ORARIA* Bartlett—*Worcester Co.*: in salt marsh near beach, Ocean City, 13826.
- XANTHIUM ECHINATUM* J. A. Murray—*Worcester Co.*: in dry sandy soil near beach, Ocean City, 13838.

## CARDUACEAE

- ANTENNARIA PLANTAGINIFOLIA* (L.) Richards.—*Worcester Co.*: in sandy soil along roadsides, Snow Hill, 6908.
- ASTER EXILIS* Ell.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6652.
- ASTER GRACILIS* Nutt.—*Queen Anne's Co.*: in dry sandy woods, Sudlersville, 13867.
- ASTER NOVI-BELGII* L.—*Worcester Co.*: in dry sand near beach, about ten miles south of Snow Hill, 6668.
- ASTER PUNICEUS* L.—*Worcester Co.*: in sandy fields, Snow Hill, 6651.
- ASTER RAMOSISSIMUS* Mill.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6659, cited on page 88 of the Classified List as *A. ericoides* L. and so distributed.
- BACCHARIS HALIMIFOLIA* L.—*Worcester Co.*: at margin of salt marsh, about 10 miles south of Snow Hill, 6677.

- BIDENS BIPINNATA L.—Worcester Co.: in waste and cultivated ground. Snow Hill, 6647.
- BIDENS CONNATA Muhl.—Worcester Co.: in ditches, Snow Hill, 7353.
- BIDENS FRONDOSA L.—Worcester Co.: in waste ground, Snow Hill, 7352.
- BIDENS TRICHOSPERMA (Michx.) N. L. Britton—Caroline Co.: in swampy ground, Goldsboro, 13865.
- CHRYSOPSIS MARIANA (L.) Ell.—Worcester Co.: in sandy soil in fields and along roadsides, Snow Hill, 2139, 6596.
- CONOCLINIUM COELESTINUM (L.) P. DC.—Cecil Co.: in moist ditches along roadsides, Conowingo, 13803.
- ELEPHANTOPUS NUDATUS A. Gray—Worcester Co.: in sandy ditches along roadsides, Snow Hill, 6622.
- EUPATORIUM AROMATICUM L.—Worcester Co.: in sandy soil, Snow Hill, 4173.
- EUPATORIUM HYSSOPIFOLIUM L.—Wicomico Co.: in dry sandy fields, Willards, 13846. Worcester Co.: in sandy soil at edge of woods, Snow Hill, 6602.
- EUPATORIUM LEUCOLEPIS T. & G.—Worcester Co.: in sandy woods, Snow Hill, 6617.
- EUPATORIUM PURPUREUM L.—Worcester Co.: in sandy fields, Snow Hill, 6597.
- EUPATORIUM ROTUNDIFOLIUM L.—Worcester Co.: in sandy fields, Snow Hill, 6603.
- EUPATORIUM SEROTINUM Michx.—Baltimore Co.: in woods, Druid Hill Park, Baltimore, 5100; Gwynne Park, Baltimore, 5103.
- EUTHAMIA CAROLINIANA (L.) Greene—Worcester Co.: in dry sandy fields, Snow Hill, 6609, distributed as *E. tenuifolia* (Pursh) Greene.
- EUTHAMIA GRAMINIFOLIA (L.) Nutt.—Worcester Co.: in sandy soil along roadsides, Snow Hill, 6594.
- EUTHAMIA TENUIFOLIA (Pursh) Greene—Worcester Co.: in dry sandy soil near beach, Ocean City, 13832.
- GNAPHALIUM OBTUSIFOLIUM L.—Worcester Co.: in sandy salt marsh near beach, Ocean City, 13889.
- HELIANTHUS TUBEROSUS L.—Caroline Co.: in moist ditches, Goldsboro, 13864.
- LEUCANTHEMUM VULGARE Lam.—Worcester Co.: in sand at edge of fields, Snow Hill, 6616, distributed as *Chrysanthemum leucanthemum* L.
- MIKANIA SCANDENS (L.) Willd.—Worcester Co.: climbing over coarse vegetation at edge of salt marsh near beach, Ocean City, 13831.
- PHAETHUSA OCCIDENTALIS (L.) N. L. Britton—Caroline Co.: along roadsides near Preston, 5092.
- PLUCHEA CAMPHORATA (L.) P. DC.—Worcester Co.: in sandy salt marsh near beach, Ocean City, 13830.
- SENECIO TOMENTOSUS Michx.—Worcester Co.: in sandy pine woods, Snow Hill, 6910, 8430.
- SERICOCARPUS LINIFOLIUS (L.) B.S.P.—Caroline Co.: in dry sandy woodland, American Corner, 13863.
- SOLIDAGO ALTISSIMA L.—Worcester Co.: in sandy ditches and at margins of woods, Snow Hill, 6599, 6624. Both collections are cited on page 96 of the Classified List as *S. rugosa* Mill. and were so distributed.
- SOLIDAGO BICOLOR L.—Worcester Co.: in sandy soil along side of wood roads, Snow Hill, 6592.
- SOLIDAGO HIRSUTISSIMA Mill.—Worcester Co.: in sandy soil along roadsides and at margins of woods, Snow Hill, 6901, 6611. Both collections are cited on page 96 of the Classified List as *S. altissima* L. and were so distributed.
- SOLIDAGO NEMORALIS Ait.—Worcester Co.: in sandy fields, Snow Hill, 6600.

## GENTIANACEAE

- CENTAURIUM PULCELLUM* (Sw.) Druce—*Worcester Co.*: in sandy fields, Snow Hill, 2135.  
*DASYSTEPHANA SAPONARIA* (L.) Small—*Worcester Co.*: in moist ditches, Snow Hill, 6662.

## PLUMBAGINACEAE

- LIMONIUM CAROLINIANUM* (Walt.) N. L. Britton—*Worcester Co.*: in salt marsh near beach, about ten miles south of Snow Hill, 6672.

## PLANTAGINACEAE

- PLANTAGO VIRGINICA* L.—*Worcester Co.*: in dry sandy soil, Snow Hill, 8444.

## LOBELIACEAE

- LOBELIA GLANDULOSA* Walt.—*Dorchester Co.*: in wet sandy ditches along roadsides, four miles south of Federalsburg, 13852.

- LOBELIA PUBERULA* Michx.—*Queen Anne's Co.*: in wet sandy ditches along roadsides, Ingleside, 13866. *Worcester Co.*: in moist sandy ditches, Snow Hill, 6618.

## POLEMONIACEAE

- PHLOX DRUMMONDII* Hook.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 7379.

## BORAGINACEAE

- BORAGO OFFICINALIS* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 3094.

- LITHOSPERMUM ARVENSE* L.—*Worcester Co.*: in dry sandy ditches, Snow Hill, 8434.

## SOLANACEAE

- DATURA STRAMONIUM* var. *TATULA* (L.) Dunal—*Worcester Co.*: in dry sandy fields, Snow Hill, 6641, distributed as *D. tatula* L., inadvertently omitted from the Classified List.

- NICANDRA PHYSALODES* (L.) Pers.—*Worcester Co.*: in waste sandy ground, Snow Hill, 3116, cited on page 102 of the Classified List as *Physalodes peruvianum* Kuntze and so distributed.

- PHYSALIS SUBGLABRATA* Mackenzie & Bush—*Kent Co.*: in dry sandy soil along roadsides, Galena, 13872.

- SOLANUM CAROLINENSE* L.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6642.

- SOLANUM NIGRUM* L.—*Worcester Co.*: in sandy fields, waste and cultivated ground, Snow Hill, 2146, 6644.

## CONVOLVULACEAE

- CONVOLVULUS REPENS* L.—*Worcester Co.*: trailing in sandy fields, Snow Hill, 2560.

- CONVOLVULUS SPITHAMEUS* L.—*Garrett Co.*: in dry thickets, alt. 2500 feet, Deer Park, 6865.

- IPOMOEA BATATAS* (L.) Lam.—*Worcester Co.*: in outdoor cultivation and escaped, Snow Hill, 2140.

- IPOMOEA LACUNOSA* L.—*Caroline Co.*: very abundant, climbing over fenceposts, Federalsburg, 13858.

- PHARBITIS PURPUREA* (L.) Voigt—*Caroline Co.*: climbing over fenceposts, Federalsburg, 13859.

- QUAMOCЛИT COCCINEA* (L.) Moench—*Caroline Co.*: very abundant, climbing over fenceposts, Federalsburg, 13857. *Worcester Co.*: in outdoor cultivation and escaped along fences, Snow Hill, 6615, 6857.

## CUSCUTACEAE

*CUSCUTA CAMPESTRIS* Yuncker.—*Wicomico Co.*: in dense colonies in fields of *Lespedeza*, Willards, 13847, det. Yuncker.

## SCROPHULARIACEAE

*GERARDIA PURPUREA* L.—*Worcester Co.*: in sandy soil along roadsides, Snow Hill, 6598, cited on page 104 of the Classified List as *Agalinis purpurea* (L.) Pennell and so distributed.

*GERARDIA SETACEA* Walt.—*Caroline Co.*: in dry sandy woodlands, American Corner, 13860, det. Pennell, who says that this is the first record of the species from the east shore of the state.

*LINARIA CANADENSIS* (L.) Dumort.—*Worcester Co.*: in sandy fields and moist ditches, Snow Hill, 4349, 6909, 8439.

*VERONICA AGRESTIS* L.—*Worcester Co.*: in dry sandy soil of lawns, Snow Hill, 8442.

## OROBANCHACEAE

*OROBANCHE RAMOSA* L.—*Baltimore Co.*: in Druid Hill Park, Baltimore, 5098, erroneously distributed as "*O. racemosa* L."

## BIGNONIACEAE

*CAMPsis RADICANS* (L.) Seem.—*Worcester Co.*: along fencerows, Snow Hill, 2134, cited on page 107 of the Classified List as *Bignonia radicans* L. and so distributed.

## MARTYNIACEAE

*IBICELLA LUTEA* (Lindl.) Van Eselt.—*Baltimore Co.*: at edge of stream in Gwynne Park, Baltimore, 5109.

## VERBENACEAE

*VERBENA HASTATA* L.—*Cecil Co.*: in moist meadows, Conowingo, 13802.

*VERBENA OFFICINALIS* L.—*Worcester Co.*: in sandy soil along roadsides, Snow Hill, 6648.

*VERBENA PERUVIANA* (L.) N. L. Britton—*Prince George's Co.*: in outdoor cultivation, College Park, 10399.

*VERBENA URTICIFOLIA* L.—*Kent Co.*: in dry sandy soil along fencerows, Galena, 13869. *Worcester Co.*: in wet ditches, Snow Hill, 6638.

## LAMIACEAE

*HEDEOMA PULEGIOIDES* (L.) Pers.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6663.

*MARRUBIUM VULGARE* L.—*Worcester Co.*: in sandy ditches, Snow Hill, 6653.

*MENTHA PIPERITA* L.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 6646.

*MONARDA PUNCTATA* L.—*Worcester Co.*: in dry sandy pine woods and wet sandy ditches, Snow Hill, 6640, 13894.

*PYCANTHEMUM ARISTATUM* Michx.—*Dorchester Co.*: in wet sandy ditches along roadsides, four miles south of Federalsburg, 13855.

*PYCANTHEMUM FLEXUOSUM* (Walt.) B.S.P.—*Worcester Co.*: in sandy fields, Snow Hill, 6605, cited on page 109 of the Classified List as *Koellia flexuosa* (Walt.) MacM.—erroneously as from New Jersey—and so distributed.

*SALVIA AZUREA* Lam.—*Worcester Co.*: in outdoor cultivation, Snow Hill, 2136.

## POTAMOGETONACEAE

*POTAMOGETON AMERICANUS* Cham. & Schlecht.—*Harford Co.*: in still water of pool in sandy cove, Spesutie Island, 9396.

*POTAMOGETON PECTINATUS* L.—*Harford Co.*: in still water of pool in sandy cove, Spesutie Island, 9399.

*POTAMOGETON PERFOLIATUS* L.—*Harford Co.*: in still water of pool in sandy cove, Spesutie Island, 9397.

*POTAMOGETON PUSILLUS* L.—*Harford Co.*: in still water of pool in sandy cove, Spesutie Island, 9398.

#### NAJADACEAE

*NAJAS FLEXILIS* (Willd.) Rost. & Schmidt—*Harford Co.*: in still water of pool in sandy cove, Spesutie Island, 9400.

#### COMMELINACEAE

*COMMELINA COMMUNIS* L.—*Worcester Co.*: weed in dooryards and waste places, Snow Hill, 2641. This number was also listed erroneously on page 40 of the Classified List as *Sedum triphyllum* (Haw.) S. F. Gray.

#### LILIACEAE

*LILIU SUPERBUM* L.—*Worcester Co.*: along ditches and in grassy fields, Berlin, 2152.

*MUSCARI BOTRYOIDES* (L.) Mill.—*Worcester Co.*: escaped along roadsides, Snow Hill, 8431.

#### IRIDACEAE

*SISYRINCHIUM ARENICOLA* Bicknell—*Worcester Co.*: in sandy fields, Snow Hill, 4391.

*SISYRINCHIUM MUCRONATUM* Michx.—*Worcester Co.*: in sandy fields, Snow Hill, 4527.

#### ORCHIDACEAE

*BLEPHARIGLOTTIS ALBIFLORA* Raf.—*Worcester Co.*: in grassy ditches, Berlin, 2153.

*FISSIPES ACAULIS* (Ait.) Small—*Worcester Co.*: in pine woods, Snow Hill, 6913.

#### CYPERACEAE

*CYPERUS ESCULENTUS* L.—*Kent Co.*: in moist sandy ditches along roadsides, Galena, 13871, det. Core. *Worcester Co.*: on sandy beach, about ten miles south of Snow Hill, 6665, det. Britton; in sandy salt marsh near beach, Ocean City, 13835, det. Core.

*CYPERUS RETRORSUS* Chapm.—*Worcester Co.*: in wet ditches, Snow Hill, 6629, cited on page 22 of the Classified List as *C. torreyi* Britton, so det. by Britton, and so distributed.

*CYPERUS STRIGOSUS* L.—*Worcester Co.*: in wet ditches, Snow Hill, 6631, det. Britton; on sandy beach, about ten miles south of Snow Hill, 6669, det. Britton.

*RYNCHOSPORA GLOMERATA* (L.) Vahl—*Worcester Co.*: in moist ditches along roadsides, Snow Hill, 6628, det. Britton.

*SCIRPUS* sp.—*Worcester Co.*: in sandy marsh at beach, about ten miles south of Snow Hill, 6670.

#### POACEAE

*AGROSTIS HIEMALIS* (Walt.) B.S.P.—*Worcester Co.*: in swampy ground near highway, Snow Hill, 2148, det. Gleason, cited on page 18 of the Classified List as *Panicularia grandis* (S. Wats.) Nash and so distributed.

*ANDROPOGON GLOMERATUS* (Walt.) B.S.P.—*Worcester Co.*: in dry sandy fields, Snow Hill, 6635, det. Hitchcock.

*ARUNDINARIA JAPONICA* Sieb. & Zucc.—*Baltimore Co.*: in outdoor cultivation along stream in Gwynne Park, Baltimore, 5102, det. Hitchcock.

*ARUNDO DONAX* L.—*Worcester Co.*: in sandy soil at edge of woods, Snow Hill, 6654, det. Hitchcock.

- CALAMAGROSTIS CINNOIDES (Muhl.) Bart.—Worcester Co.: in sandy fields and lawns, Snow Hill, 6626, det. Hitchcock.
- CENCHRUS TRIBULOIDES L.—Worcester Co.: in sand on dunes, about ten miles south of Snow Hill, 6679, det. Hitchcock; in dry sandy soil near beach, Ocean City, 13828.
- DISTICHLIS SPICATA (L.) Greene—Worcester Co.: in sand along beach, about ten miles south of Snow Hill, 6674, det. Hitchcock.
- ECHINOCHLOA CRUSGALLI (L.) P. Beauv.—Worcester Co.: in waste and cultivated ground, Snow Hill, 6607, det. Hitchcock; in dry roadside ditches, east of Willards, 13843, det. Chase.
- ECHINOCHLOA WALTERI (Pursh) Heller—Worcester Co.: in sandy salt marsh near beach, Ocean City, 13827, det. Chase.
- ERIANTHUS CONTORTUS Baldw.—Worcester Co.: in sandy soil at edge of woods, Snow Hill, 6591, det. Hitchcock, said to be the first record for the state.
- ERIANTHUS SACCHAROIDES Michx.—Caroline Co.: at edge of marsh, near Preston, 5093, det. Hitchcock.
- PANICUM AMARULUM A. S. Hitchc. & Chase—Worcester Co.: in dry sandy soil near beach, Ocean City, 13829, det. Chase.
- PANICUM BICHOTOMIFLORUM Michx.—Worcester Co.: in waste and cultivated ground, Snow Hill, 6630, det. Hitchcock.
- PANICUM MERIDIONALE Ashe—Worcester Co.: in dry sandy pine woods, Snow Hill, 13823a, det. Chase, who says "basal rosettes, autumnal phase with few spikelets hidden in sheaths."
- PANICUM VERRUCOSUM Muhl.—Worcester Co.: in dry sandy pine woods, Snow Hill, 13823, det. Chase, who says "delicate annual with open panicles of warty spikelets."
- PANICUM VIRGATUM var. CUBENSE Griseb.—Worcester Co.: in sandy soil along roadsides, Snow Hill, 6643, det. Hitchcock.
- PASPALUM FLORIDANUM var. GLABRATUM Engelm.—Worcester Co.: in wet sand near beach, about ten miles south of Snow Hill, 6671, det. Hitchcock.
- PASPALUM LAEVE Michx.—Worcester Co.: in sandy lawns, Snow Hill, 6625, det. Hitchcock, erroneously cited as number "6623" on page 19 of the Classified List.
- SACCHARUM OFFICINARUM L.—Worcester Co.: in outdoor cultivation, Snow Hill, 2129.
- SETARIA FABERI Herrm.—Worcester Co.: in dry dusty roadside ditches, east of Willards, 13842, det. Chase, who says this is the first record of the species for the state.
- SORGHUM HALEPENSE (L.) Pers.—Dorchester Co.: escaped along margins of corn fields, four miles south of Federalsburg, 13856.
- SORGHUM VULGARE var. DRUMMONDII (Nees) A. S. Hitchc.—Worcester Co.: in outdoor cultivation, Snow Hill, 474, cited on page 17 of the Classified List as *Holcus sorghum* var. *drummondii* A. S. Hitchc. and so distributed.
- SPARTINA ALTERNIFLORA Loisel.—Worcester Co.: on beach, about ten miles south of Snow Hill, 6673, det. Hitchcock.
- TRIODIA FLAVA (L.) Smyth—Worcester Co.: on sand-dunes near beach, about ten miles south of Snow Hill, 6675, det. Hitchcock.
- UNIOLA LAXA (L.) B.S.P.—Worcester Co.: at edge of sandy lawns and fields, Snow Hill, 6627, det. Hitchcock; in dry sandy woods, Snow Hill, 13822, det. Chase.

BOX 240

NORTH WARREN, PENNSYLVANIA